

Today's Topics:

 * SpaceNews 09Oct89 *
 News From OSCAR-11 06Oct89

Date: 8 Oct 89 03:11:36 GMT
From: pacbell!hoptoad!peora!tsdiag!ka2qhd!kd2bd@ames.arc.nasa.gov (John
Magliacane Wall Township NJ)
Subject: * SpaceNews 09Oct89 *

Bulletin ID: SPC91009

SpaceNews

MONDAY OCTOBER 9, 1989

SpaceNews originates at KD2BD in Wall Township, NJ, and is distributed weekly around the world. It is available for UNLIMITED distribution.

* SHUTTLE NEWS *

The earliest possible launch window for STS-34 opens at 1:29 PM Eastern Time (1729 UTC) on Thursday, October 12th.

* WA3NAN INFORMATION *

The Goddard Amateur Radio Club station WA3NAN in Greenbelt, Maryland is expected to be active during Space Shuttle mission STS-34, transmitting live air-to-ground communications on the Amateur Radio bands. The approximate operation schedule is as follows:

 3.860 MHz (2200-1400 UTC)
 7.185 MHz (1200-2200 UTC)
 14.295 MHz (Primary frequency)
 21.395 MHz (As needed)
 28.650 MHz (As needed)
 147.450 MHz (FM Simplex)
 439.250 MHz (Amateur television, ATV)

This is not a strict schedule. Listen to the Shuttle rebroadcasts for updates. In addition to providing a source of Space Shuttle audio for Amateur Radio operators, WA3NAN also provides the following services:

- 1) Descriptions of the on-board payloads and flight experiments
- 2) Profiles of the astronauts on-board the Shuttle
- 3) Shuttle orbital data which allows listeners with special orbital prediction programs to track the Shuttle
- 4) Night-time Shuttle rise and set times for various locations for those who wish to see the Shuttle fly overhead.

★ MICROSAT NEWS ★

Arianespace has found a problem with the pyro initiators of the Ariane 4 third stage of missions V34, V35 and V36. This problem will cause at least a one month delay in the launch of SPOT-2, along with the MicroSats and UoSATs.

★ OSCAR-9 NEWS ★

UoSAT-1 has just passed its eighth birthday! Falling into the Earth's atmosphere at a rate of several kilometers each day, UO-9 is expected to burn up in the next week or so. The spacecraft is still operational, sending back telemetry and experiment data as it descends to a fiery death!

Launched at 11:27 GMT on 6th October 1981 by NASA on a DELTA 2310 rocket into a 554 km, polar Earth orbit, UO-9 carried a pioneering range of amateur radio, technology demonstration and educational payloads. Travelling at 7 kilometers per second, UO-9 has made over 44,600 orbits of the Earth - approximately 2,000 million kilometers or the equivalent of 10 return journeys to the Sun! During that time, the UoSAT Mission Control ground station at Surrey has received around 12 Giga-bits of telemetry and experiment data from the satellite.

UO-9 has involved the direct participation of several thousand experimenters in more than 40 countries world-wide: from space agencies to university groups, college students, school children and radio amateurs. It was the first satellite to carry a digital voice synthesizer transmitting on amateur radio frequencies enabling reception of "spoken" telemetry data using very simple and inexpensive hand-held equipment. UO-9 also pioneered the use of digital data transmission compatible with readily available personal or "home" computers - now taken for granted, but an age only dawning at launch eight years ago!

UoSAT-1 has received widespread attention and publicity in the form of over 80 papers, publications & conference proceedings and considerable media coverage on TV, radio and press. It paved the way for its sister craft, UoSAT-2, and two new satellites (UoSAT-D & E) waiting to be launched on ARIANE shortly.

In the last days of UoSAT-1's life, the spacecraft has been programmed to

transmit telemetry and WOD data continuously in order to provide the maximum data during its final moments. It will carry no bulletins or Digitaler messages. Please monitor UO-9 during its re-entry and send any interesting data to UoSAT mission control.

* OSCAR-13 SCHEDULE *

AO-13 Operating Schedule
16Aug89 until 16Nov89
BLON/BLAT 210/0

Mode B : MA 003 to MA 160
Mode JL: MA 160 to MA 200
Mode B : MA 200 to MA 240
OFF : MA 240 to MA 003
Mode S : MA 210 to MA 222

* FEEDBACK WELCOMED *

Feedback regarding SpaceNews can be directed to the author (John) via any of the following paths:

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PACKET : KD2BD @ NN2Z

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<<< Stay on course.....Say YES to Morse! >>>

* SpaceNews * >> Satellite News You Won't Find Everywhere Else << * SpaceNews *

<eof>

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UUCP : ucbvax!rutgers!petsd!tsdiag!ka2qhd!kd2bd
PACKET : KD2BD @ NN2Z (John)

..."There is no expedient to which a man will not resort to
avoid the real labor of thinking."Sir Joshua Reynolds.

Date: 7 Oct 89 19:56:17 GMT
From: pacbell!hoptoad!peora!tsdiag!ka2qhd!kd2bd@ames.arc.nasa.gov (John
Magliacane Wall Township NJ)
Subject: News From OSCAR-11 06Oct89

UOSAT 2 COMPUTER STATUS INFORMATION

FAD1 OPERATING SYSTEM V2.0
TODAY'S DATE IS 7 /10 /89
UNIVERSAL TIME IS 2 :1 :13 DAY 7
AUTO MODE IS SELECTED
SPIN PERIOD IS - 162
Z MAG FIRINGS = 0
+ SPIN FIRINGS = 41
- SPIN FIRINGS = 0
RAM WASH POINTER AT ECFC
WOD COMMENCED 7 /10 /89 AT 0 :0 :10
WITH CHANNELS 10 ,11 ,19 ,29 ,
LAST CMD RECEIVED WAS 112 TO 1 WITH DATA 0

!!!NEWSFLASH!!!
2m Beacon will turn off for 10s after DCE titles

ATTITUDE CONTROL INITIATED, MODE 1

DATA COLLECTION IN PROGRESS

DIGITALKER ACTIVE

**** UoSAT-OSCAR-11 BULLETIN - 199 06 October 1989 ****

UoSAT MISSION CONTROL CENTRE
University of Surrey, Guildford, Surrey, GU2 5XH, England

** UoSAT-1 (UO-9) COMPLETES 8 YEARS IN ORBIT **

UoSAT-1 has just passed its eighth birthday! Falling into the Earth's
atmosphere at a rate of several kilometres each day, UO-9 is expected to burn

up in the next week or so. The spacecraft is still operational, sending back telemetry and experiment data as it descends to a fiery death!

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>From all of us at UoSAT and the many experimenters world-wide:

HAPPY BIRTHDAY UoSAT-1.

THANKS FOR EIGHT YEARS AND FAREWELL!

★★ UoSAT-D & E ★★

The launch of the UoSAT-D & E spacecraft has been postponed for several weeks whilst a problem with the ARIANE launcher electronics is resolved. The

spacecraft are in the UoSAT Cleanroom undergoing exhaustive tests and calibration, whilst awaiting news of a new launch date.

** \$BID **

Please use BID \$UOSAT.199 for PR BBS use.

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PACKET : KD2BD @ NN2Z (John)

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End of INFO-HAMS Digest V89 Issue #760
